Handheld Computer
C4 Blue

Description

Handheld C4 Blue is a series of Android powered smart PDAs, with data capture, data processing, wireless communication and multiple RFID options. It is extremely versatile and highly reliable in daily use.

Available with UHF, HF or LF, and including the latest communication technology, this fexible mobile device is a complete solution for your business.

This RFID Handheld Computer is the right choice for almost any application. It meets industrial standards and is designed to support various mobile solutions. With the build-in high performance Cortex-A9 1GHZ dual core processor technology, you beneft from simplifed task fow, enhanced work effciency and shortened responsive time. The C4 Blue is convenient and easy to use.

C4 Blue meets IP64 (IEC sealing) and is suitable for various RFID applications like logistics, asset tracking, inventory management, delivery service, access control and chain retail. Whether indoor or outdoor, with C4 Blue your business is always connected and highly effcient.

The powerful C4 Blue comes with world wide band WCDMA 3G technology and 2D Barcode Scanner. Multi-channel data and voice communication guarantee real-time communication and data effciency.

Features

- Android 4.x OS
- Google Play Market
- Large 4" Screen
- Dual-battery System
- WI-FI/GPRS/GPS/HSPA+
- High-speed 2D Barcode
- RFID LF/HF/UHF Bands
- ETSI & FCC Versions
- IP64

RFID Options

- UHF (EPC C1 GEN2 / ISO18000-6C)
- HF (ISO14443A/B, ISO15693)
- LF (ISO11784/5)

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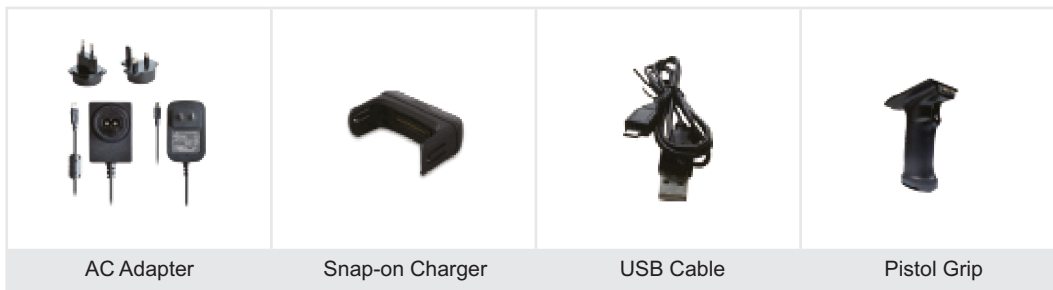| RFID | 2D Barcode | GSM/3G | GPS | Bluetooth | WI-FI | Touch Screen | IP64 | Android OS |

Technical Data

Physical Characteristics

Dimension	153 x 75 x 29mm / 6.02 x 2.95 x 1.14in.
Weight	330g / 11.64oz. (includes main battery)
Display	4 in. WVGA (480 × 800) TFT-LCD, capacitive dual touch
Keypad	3 function buttons, 3 side buttons, 4 TP touch key-press buttons
Battery	Main bat. rechargeable li-ion battery 3200mAh Pistol bat. rechargeable li-ion battery 5200mAh (with pistol grip)
Expansion slots	1PSAM, 1SIM
Audio	0.5Watt speaker, build-in microphone
Interfaces	USB Micro-B, serial port RS-232 (TTL)

Performance Characteristics

CPU	Cortex-A9 1GHz Dual Core
RAM	1GB RAM
Storage	4GB FLASH, MicroSD max. 32 GB expansion

Programming Environment

Operating System	Android 4.0.4
SDK	iDTRONIC software development kit
Language	Java
Tool	eclipse

User Environment

Operating Temp.	-10 to 50°C / 14 to 122°F
Storage Temp.	-40 to 70°C / -40 to 158°F 5% - 95%RH (Non-condensing)
Tumble Spec.	1,000times, 0.5m/1.64ft tumbles, rolling by six contact surface, meets and exceeds MIL-STD810G
Sealing / Drop Spec.	IP64; 1.2 meter drop to concrete, 6 drops per 6 sides over operating temperature range
ESD	+/-15kv VDC air discharge +/-8KV VDC direct discharge

Communication

WLAN	WI-FI IEEE802.11b/g/n
WWAN & Voice	GPRS (EDGE, 850/900/1800/1900MHz) WCDMA / HSDPA / HSPA+ (850 / 1900MHz or 850 / 2100MHz) GSM / GPRS / EDGE (850 / 900 / 1800 / 1900MHz)
WPAN	Bluetooth specifcation v2.1+EDR Bluetooth specifcation v3.0+HS compliance Bluetooth v4.0 Low Energy (LE)
GPS	GPS (Embedded A-GPS)

Barcode Scanner

2D Imager Scanner	
2D CMOS laser scanner	Symbol SE4500
Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, A ztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX), etc.

RFID Reader

LF (Optional)

Frequency	125KHz, 134KHz (FDX-B / HDX)
Protocol	ISO11784/5
Chips	1) R/O ID card eg. EM4100/4200, TK4100 2) R/W ID card eg. EM4305/HITAG S 3) Animal tags 4) Others for customization
R/W Range	2 - 8cm (FDX-B), 2 - 16cm (HDX)

HF (Optional)

Frequency	13.56MHz
Protocol	ISO14443A/B, ISO15693
Chips	MIFARE® Classic 1K/4K, MIFARE Ultralight®, MIFARE® DESFire® EV1 2K/4K/8K ICODE II, TI2048, LRI64K
R/W Range	2 - 8cm / 0.79 - 3.15in.

UHF (Optional)

Frequency	865 - 868MHz / 920 - 925MHz
Protocol	EPC C1 GEN2 / ISO18000-6C
Antenna	Linear polarization (2dBi)
Power	1W (+10dBm to +30dBm)
R/W Range	1 to 5m / 3.28 to 16.4ft. (tags and environment dependant)

Certifcations

CE FC

Accessories (Standard)

AC Adapter	Snap-on Charger	USB Cable	Pistol Grip

Accessories (Optional)

Desktop Cradle	Carrying Case	Spare Battery

Order Codes

Version	Order Code
LF	R-HH-C4B-LF
HF	R-HH-C4B-HF
UHF (865 - 868MHz)	R-HH-C4B-UHF
UHF (920 - 925MHz)	R-HH-C4B-UHF-NA

For further information & prices, please contact info@datafox.de